

C1051

Total Pages : 2

Roll No.

MGIS-07

Advance GIS & RS

Master of Geographical Information System
(MGIS/MAGIS/MSCGIS-16/17)

Second Year Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 80

Note : This paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION-A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. Define thermal remote sensing and write their concepts.
2. Explain the characteristics of thermal images.

3. What is image rectification? Explain its techniques of rectification.
4. Describe uses and tools of 3D GIS with suitable examples.
5. What do you mean by data modelling in GIS? Explain with examples.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only. (4×10=40)

1. What do you understand by spectral signature?
2. What do you understand by Radar principle?
3. What is Synthetic Aperture radar.
4. What is hyperspectral remote sensing?
5. Explain 3D GIS?
6. What are the types and uses of spatial filtering?
7. How are LiDAR data collected?
8. Differentiate between SQL and NoSQL databases?